

DERWENT-ACC-NO: 1997-017684

DERWENT-WEEK: 199702

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TITLE: Adhesive film prepn. for surface protection - by
copolymerising one or mixt. of ethylenic unsatd.
carboxylic acid monomers, ethylenic unsatd. epoxy-contg.
monomers, ethylenic unsatd. tert. amine monomers, and
(meth)acrylic acid alkyl ester monomers, etc.

PATENT-ASSIGNEE: MITSUI TOATSU CHEM INC[MITK]

PRIORITY-DATA: 1995JP-0085605 (April 11, 1995)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP <u>08283678</u> A	October 29, 1996	N/A	007	C09J 007/02

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO	APPL-DATE
JP 08283678A	N/A	1995JP-0085605	April 11, 1995

INT-CL (IPC): C09J007/02

ABSTRACTED-PUB-NO: JP 08283678A

BASIC-ABSTRACT:

Prepn. of an adhesive film comprises copolymerising one or a mixt. of (1) ethylenic unsatd. carboxylic acid monomers, (2) ethylenic unsatd. epoxy contg. monomers, (3) ethylenic unsatd. tert.-amine monomers, and (4) (meth)acrylic acid alkyl ester monomers and ethylenic unsatd. monomers copolymerisable with the ester monomers to obtain an emulsion type acrylic adhesive, applying the adhesive to one side of a soft vinyl chloride film, drying the resultant body to form an adhesive layer and winding the film in roll form with the layer inward. Pref. the copolymerisation wt. ratio of (1) : (2) : (3) : (4) is 0.1-10 pts.wt. : 0.1-10 pts.wt. : 0.1-10 pts.wt. : 99.7-70 pts.wt. Also claimed is the film obt'd..

Pref. monomers (1) comprise acrylic and methacrylic acids. Pref. monomers (2) comprise glycidyl acrylate and methacrylate. Pref. monomers (3) include dimethylaminoethylacrylate, dimethylaminoethylmethacrylate, diethylaminoethylacrylate, diethylaminomethylmethacrylate, dimethylaminopropylacrylamide and dimethylaminopropylmethacrylamide.

USE - The film is used to protect e.g. surfaces of metal plates, resin-applied plates, resin plates and decorative plates.

ADVANTAGE - Without special soft vinyl chloride films, the film prevent soiling of surfaces thoroughly and have good rewinding properties.

CHOSEN-DRAWING: Dwg.0/0

TITLE-TERMS: ADHESIVE FILM PREPARATION SURFACE PROTECT
COPOLYMERISE ONE MIXTURE

ETHYLENIC UNSATURATED CARBOXYLIC ACID MONOMER

ETHYLENIC UNSATURATED

EPOXY CONTAIN MONOMER ETHYLENIC UNSATURATED TERT
AMINE MONOMER

METHO ACRYLIC ACID ALKYL ESTER MONOMER

DERWENT-CLASS: A14 A81 G03

CPI-CODES: A04-D01; A04-E02E; A04-F01A1; A07-B02; A07-B03; A12-A01A;
G03-B02D;

G03-B02D1;

ENHANCED-POLYMER-INDEXING:

Polymer Index [1.1]

018 ; G0022*R D01 D51 D53 D60 F35*R H0215 ; R00446 G0282 G0271 G0260
G0022 D01 D12 D10 D26 D51 D53 D58 D60 D83 F36 F35 H0215 ; R00460
G0306 G0271 G0260 G0022 D01 D12 D10 D26 D51 D53 D58 D60 D84 F36
F35 H0215 ; G0022*R D01 D51 D53 D23 D22 D73 D42 F47 H0215 ; R00799
G0340 G0339 G0260 G0022 D01 D11 D10 D12 D23 D22 D26 D31 D42 D51
D53 D58 D63 D73 D86 F47 F41 F89 H0215 ; R00800 G0384 G0339 G0260
G0022 D01 D11 D10 D12 D23 D22 D26 D31 D42 D51 D53 D58 D63 D73 D87
F47 F41 F89 H0215 ; G0022*R D01 D51 D53 G0373 G0340 G0339 G0260
G0022 D12 D10 D26 D58 D63 F41 F89 G0419 G0384 D11 D87 D89 F08 F07
H0215 ; R01606 G0384 G0339 G0260 G0022 D01 D11 D10 D12 D26 D51 D53
D58 D63 D88 F08 F07 F41 F89 H0215 ; G0464 G0453 G0260 G0022 D01

D12 D10 D26 D51 D53 F70 D11 D58 D88 D89 F08 F07 F93 H0215 ; G0340*R
G0339 G0260 G0022 D01 D12 D10 D26 D51 D53 D58 D63 F41 F89 G0384*R
D11 ; P0464*R D01 D22 D42 F47 ; H0000 ; H0022 H0011 ; H0033 H0011
; L9999 L2573 L2506 ; L9999 L2528 L2506 ; L9999 L2551 L2506 ; S9999
S1025 S1014 ; P0088 ; P0099

Polymer Index [1.2]

018 ; ND07 ; K9574 K9483 ; K9687 K9676 ; K9712 K9676 ; Q9999 Q8571
Q8366 ; K9698 K9676 ; N9999 N7147 N7034 N7023 ; N9999 N6780*R N6655
; N9999 N6371 N6337

Polymer Index [1.3]

018 ; Q9999 Q6644*R ; K9552 K9483

Polymer Index [2.1]

018 ; R00338 G0544 G0022 D01 D12 D10 D51 D53 D58 D69 D82 C1 7A ;
H0000 ; S9999 S1285*R ; P1796 P1809

Polymer Index [2.2]

018 ; ND07 ; K9574 K9483 ; K9687 K9676 ; K9712 K9676 ; Q9999 Q8571
Q8366 ; K9698 K9676 ; N9999 N7147 N7034 N7023 ; N9999 N6780*R N6655
; N9999 N6371 N6337

Polymer Index [2.3]

018 ; B9999 B5447 B5414 B5403 B5276 ; B9999 B3827 B3747

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C1997-005523